

8. A waveguide rotator as claimed in claim 1 wherein the waveguide rotator is provided by dual wedge-shaped protrusions on opposed sides of the waveguide.

REMARKS

The foregoing amendments to the claims have been made for the purpose of eliminating multiple claim dependencies only. No new matter has been added to the application.

Entry of this amendment and a prompt official action on the merits of the claims as amended is respectfully requested.

Respectfully submitted,

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EXPRESS MAIL CERTIFICATE

Date 11/15/01 Label No. EL 767719875 - 45

I hereby certify that, on the date indicated above, I deposited this paper or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner of Patents & Trademarks, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

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Date: November 15, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Andrew Patrick BAIRD and Jamie STOKES

Serial No: To be assigned
(U.S. National Phase of
International Application No. PCT/GB00/01855
Filed: May 17, 2000)

Filed: Concurrently herewith

For: WAVEGUIDE POLARISATION ROTATOR

MARK-UP TO ACCOMPANY PRELIMINARY AMENDMENT

Hon. Commissioner of
Patents and Trademarks
Box PCT
Washington, DC 20231
Attn: DO/EO/US

Sir:

Prior to examination, please amend the above-identified application
as follows:

Hon. Commissioner of
Patents and Trademarks
November 14, 2001
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IN THE CLAIMS:

Amend claim 3-8 to read as follows:

3. A waveguide rotator as claimed in claim 1 [or 2] wherein the waveguide cross-section is substantially square.

4. A waveguide rotator as claimed in claim 1 [or 2] wherein the waveguide cross-section is rectangular or circular.

5. A waveguide rotator as claimed in [any preceding] claim 1 wherein the wedge-shaped protrusion extends substantially across the width of the waveguide and narrows to a common location on the waveguide wall to provide a substantially planar surface between the waveguide wall and the rear waveguide reflecting wall.

6. A waveguide as claimed in [any one of claims 1-4] claim 1 wherein the waveguide wedge-shaped protrusion has cut-outs so that it does not extend completely across the width of the waveguide at the rear reflecting wall.

7. A waveguide rotator as claimed in [any one of claims 1 to 4] claim 1 wherein the wedge is stepped, the wedge being formed by a series of triangular protrusions of increasing waveguide width.

8. A waveguide rotator as claimed in [any one of claims 1 to 4] claim 1 wherein the waveguide rotator is provided by dual wedge-shaped protrusions on opposed sides of the waveguide.